

Appendix A: Glossary

.bsz

The extension attached to configuration files for the Decom Systems 7715 bit synchronizer.

.dat

The extension attached to data files.

.dmd

The extension attached to configuration files for the Aydin 329A BPSK demodulator.

.dtj

The extension attached to configuration files for the Datatape 3700J analog tape recorder.

.DTP

The extension attached to configuration files for the Avtec 1000 PTP.

.fsz

The extension attached to configuration files for the General Data Products 225D frame synchronizer.

.hps

The extension attached to configuration files for the HP 3325B synthesizer.

.khf

The extension attached to configuration files for the Krohn
Hite 3905B programmable filter.

.mdu

The extension attached to configuration files for the General Data Products 783 M BPSK
subcarrier/modulator .

.rfm

The extension attached to configuration files for the HP E1366/67A RF matrix switch.

.sim

The extension attached to configuration files for the General Data Products 233 PCM simulator.

.tdf

The extension attached to configuration files for the WFF TDF.

.vld

The extension attached to configuration files for the Metrum BVLDS cassette digital tape recorder.

.xxx

The extension attached to matrix files for the PCM Simulator.

11 meter Interface process

A Master subsystem process that coordinates the communication between the Scientific Atlanta 11 meter Antenna and the Master.

A**AGS**

The Alaska Ground Station, located at the University of Alaska, Poker Flat Research Range near Fairbanks, Alaska, USA.

AOS

Acquisition of signal (satellite)

About box

An application's About Box contains information describing the latest version of the application.

accelerator key

A keystroke or combination of keystrokes that invokes a particular command.

active toolbar

The toolbar appropriate to the current mode of operation of an application. Before a file is open the standard toolbar is displayed; after a file is open the edit mode toolbar is displayed.

arrow key

The up, down, left, and right arrow keys. These keys can be used to move the cursor through a list of options.

automated schedule

A subset of the operational schedule that includes only those events scheduled for an antenna that has been included in the automation effort.

AWOTS

The Automated Wallops Orbital Tracking Station at the NASA/GSFC/Wallops Flight Facility in Wallops Island, Virginia, USA.

B**BPSK**

Binary phase shift key.

block diagram

A graphical representation of high level resource status and the data for all tracking station resources.

busy cursor

A cursor that assumes an hourglass shape to indicate that the application is busy and temporarily not accepting input.

button control

A graphical control operated by a user to issue a command to an application.

BVLDS

Buffered very large data storage.

C**CCSDS**

Consultative Committee for Space Data Systems

cascade

To arrange an application's windows within the application client area such that the title bar of every window is visible and the windows are overlapped.

check box

A square box operated by the user to choose from a set of related but independent options. A checked check box contains an X. Repeatedly checking a check box toggles it from state to state. A standard check box has two states: checked and unchecked.

D**desktop**

The visible screen area.

device hardware specifications

Any specific information about a device including environmental limitations, physical dimensions and dip switch settings. This information is accessed from a device GUI application and is displayed in a text viewer.

dialog box

A window used to solicit input from the user.

disabled

A window that can not receive input from the keyboard, mouse, or other input device.

double-click

To press and release a mouse button twice in quick succession.

drag

To move the mouse while holding down a mouse button.

drop list

A graphical control that presents a list of selectable items when the user selects the drop down arrow next to the control. The list of selectable items can not be edited by the user.

E**edit field**

A graphical control that allows the user to enter and edit text.

edit mode toolbar

The toolbar that performs some of the functions of an application when a file is open.

F**FTP**

File transfer protocol

G**GDP**

General Data Products

General Resources Manager

The process that coordinates communication between the Master and the Nodes.

GRM

The General Resources Manager.

GSFC

Goddard Space Flight Center

GUI

A Graphical User Interface is a process that gathers input from and presents output to a user.

H**highlight**

To select a portion of text by positioning the mouse over a text field and moving the mouse while holding down the mouse button.

HP

Hewlett Packard

I**IP**

internet protocol

icon

A small bitmap that usually represents a minimized application. Icons may also serve as symbols in warning messages or other windows.

indicator light

A small bitmap that usually represents a status from a device.

J**K****L****LOS**

Loss of signal (satellite).

list box

A graphical control window that contains a list of items that can be selected by the user.

local control**M****M&C**

The Monitor and Control application.

MDDF

Minimum delay data format

MGS

The McMurdo Ground Station in McMurdo, Antarctica.

Master

The workstation on which has been installed a collection of processes that provide centralized, automated, remote controlling and monitoring of tracking station assets.

Master password

A subsystem password is used to restrict access to some functions that may interfere with the Master's ability to accomplish scheduled support activity.

Master Password Editor

A utility that can be used to modify the Master password.

maximize

To enlarge a window to the size of the screen or the containing window.

maximize box

A window component that, when clicked, enlarges a window to the size of the screen or the containing window.

menu bar

A list of items that represent an application's commands. The menu bar typically contains one or more menu items that can be selected to display pulldown menus. It is located at the top of the application window, immediately below the title bar.

minimize

To reduce a window to an icon.

minimize box

A window component that, when clicked, reduces a window to the size of an icon.

minimized window

A window that has been reduced to an icon.

Monitor and Control process

The Master subsystem process that coordinates the controlling and monitoring of tracking station resources. This is the primary user interface to automated tracking station resources.

N**NASA**

National Aeronautics and Space Administration

NASCOM

National Aeronautics and Space Administration Communications

Node

A workstation on which has been installed a collection of processes that provide controlling and monitoring of a subset of tracking station assets.

non-automated schedule

A subset of the operational schedule that includes events scheduled for an antenna that has not been included in the automation effort.

O**operational schedule**

The schedule delivered to the tracking station Master from the scheduling office that includes automated and non-automated support requirements.

P**PC**

Personal computer

PCM

Pulse code modulation

PSK

Phase shift key

PTP

Programmable telemetry processor

process

An executing application that consists of a private virtual address space, code, data, and other operating system resources, such as files, pipes, and synchronization objects that are visible to the process. A process also contains one or more threads that run in the context of the process.

profile

A collection of files defining the configuration of tracking station resources for an anticipated support.

Profile Editor

A Master subsystem process used to define the configuration of tracking station resources for an anticipated support.

pulldown menu

A menu that is displayed when the user selects a particular entry from a menu bar.

Q

R

radio button

A round button operated by the user to choose from a set of related but mutually exclusive options. The check mark for a radio button is a black dot. A radio button can assume two states: checked (dot) or unchecked (no dot).

read-only text

A field that contains text presented to the user for the user's information and accepts no user input.

ready cursor

A cursor that assumes an arrow or blinking line shape to indicate that the application is ready to accept input from the keyboard or the mouse.

remote control**Remote Node****resize**

To alter the size of a window by stretching or shrinking the window border.

S

SA

Scientific Atlanta

SSB

The Station Status Broadcaster application.

SSD

The Station Status Display application.

SGS

The Svalbard Ground Station in Longyearbyen, Svalbard, Norway.

Scheduler process

The Scheduler process is the Master subsystem process responsible for the ingestion and interpretation of the operational schedule.

scroll bar

A sliding control that a user can manipulate to shift the contents of a window's client area either horizontally or vertically. It is usually positioned along the left and/or bottom window border when the window's client area is greater than the size of the displayed window.

set focus

To change the keyboard focus to the specified window.

shortcut key

Some menu commands can be executed by pressing defined shortcut keys. For example, in most applications, pressing the F1 key starts on line Help and Ctrl + S saves the open file.

spin control

A control including a pair of arrows that the user can click to adjust a value displayed in an adjacent, edit field window.

standard toolbar

The toolbar that performs some of the functions of an application before a file is open.

static text

A label or text control that accepts no user input.

Station Assets Editor

The Master subsystem process used to define station specific characteristics required for proper execution of the Master subsystem software.

status bar

A control bar that contains a row of text output panes that display status indicators. It is typically positioned along the bottom of a window.

T**TDF**

Tracking data formatter

TDM

Time division multiplexed

TOTS

S-Band Transportable Orbital Tracking System used for orbital and range support.

TR code

This is a code used by tracking station operators to identify the support configuration.

TTL**tile**

To arrange an application's windows within the application client area such that all windows are the same size and adjacent to each other. The windows will be arranged so that the client area is filled but no windows overlap.

title bar

The top border of a window containing a title defining the application or contents associated with the window.

tool tip

A tiny pop-up window that presents a short description of a toolbar button's action. Tool tips are displayed when a user positions the mouse cursor over a button for a period of time.

toolbar

A control bar that contains a row of pushbuttons and/or radio buttons. It is typically positioned along the top of a window, immediately below the main menu. It can be displayed or hidden by selecting the Toolbar option from the View menu.

U**UDP**

Unreliable data packet

UTDF

Universal tracking data format

V**W****WFEP**

Wallops front end processor

WOTIS

The Wallops Orbital Tracking Information System (???).

WOTIS Interface process

The Master subsystem process that anticipates and accepts the operational schedule from the Wallops Orbital Tracking Information System.

WPS (or WGS)

The Wallops Ground Station, located at the NASA/GSFC/Wallops Flight Facility in Wallops Island, Virginia, USA.

window

A rectangular area of the screen bounded by a border.

window control menu

A menu that include options to move or resize a window, or switch to another window. The menu is obtained by positioning the cursor over the window icon in the upper left hand corner and clicking the left mouse button.

X**Y****Z**